IN THE CLAIMS

1. (currently amended) A process for preparing a 2-amino-4-chloro-6-alkoxy-pyrimidine ~~2-amino-4-chloro-6-alkoxy-pyrimidines by~~ comprising reacting ~~the~~ a 2-amino-4,6-dichloropyrimidine with an alkali metal alkoxide or a mixture of alkali metal hydroxides and an alcohol ~~alcohol, characterized in that the reaction is effected~~ in a polar aprotic solvent or solvent mixture, wherein the solvent or solvent mixture is subsequently distilled off to an extent of >30% and the product is precipitated during or after distillation by adding water.

2. (currently amended) The process as claimed in claim 1, wherein ~~characterized in that~~ the alcohol ~~component used~~ is a C_1-C_4-alcohol ~~C_1-C_4-alcohol, in particular methanol~~.

3. (currently amended) The process as claimed in claim 1, wherein ~~one of claims 1 and 2, characterized in that~~ the molar ratio of 2-amino-4,6-dichloropyrimidine and the alkali metal alkoxide is 1:1 to 1.5 ~~and more preferably 1:1.05 to 1.10~~.

4. (currently amended) The process as claimed in claim 1, wherein ~~one of claims 1 to 3, characterized in that~~ the polar aprotic solvent is selected from the group consisting of a ketone, an amide, a nitrile ~~ketones, amides and nitriles, and in particular from the group consisting of acetone, methyl ethyl ketone, dimethylimidazolidinone, cyclohexanone, dimethylformamide, N-methylpyrrolidone, acetonitrile~~ and mixtures thereof.

5. (currently amended) The process as claimed in claim 1, wherein ~~one of claims 1 to 4, characterized in that~~ the reaction is effected at a temperature ~~temperatures~~ between 5 and 60°C ~~and more preferably between 15 and 40°C~~.

6. (currently amended) The process as claimed in claim 1, wherein ~~one of claims 1 to 5, characterized in that~~ the mixture is heated to a higher temperature after the reactants have been added ~~added, more preferably to temperatures between 20 and 60°C and in particular between 25 and 45°C~~.

7. (currently amended) The process as claimed in claim 1, wherein ~~one of claims 1 to 6, characterized in that~~ the solvent is distilled off to an extent of more than 50% ~~and more preferably to an extent of from 75 to 95%~~.

8. (currently amended) The process as claimed in claim 1, wherein ~~one of claims 1 to 7, characterized in that~~ activated carbon is added to the reaction mixture ~~before or/and~~ before, during or before and during ~~the~~ distillation.

9. (currently amended) The process as claimed in claim 1, wherein ~~one of claims 1 to 8, characterized in that~~ salts formed are removed or ~~or/and~~ brought into solution by adding water, or both.

10. (new) The process as claimed in claim 1, wherein the polar aprotic solvent is selected from the group consisting of acetone, methyl ethyl ketone, dimethylimidazolidinone, cyclohexanone, dimethyl-formamide, N-methylpyrrolidone, acetonitrile and mixtures thereof.

11. (new) The process as claimed in claim 1, wherein the reaction is effected at a temperature between 15 and 40°C.

12. (new) The process as claimed in claim 1, wherein the mixture is heated to a higher temperature of between 20 and 60°C after the reactants have been added.

13. (new) The process as claimed in claim 1, wherein the mixture is heated to a higher temperature of between 25 and 45°C after the reactants have been added.

14. (new) The process as claimed in claim 17, wherein the solvent is distilled off to an extent of from 75-95%.

15. (new) The process as claimed in claim 2, wherein the polar aprotic solvent is selected from the group consisting of acetone, methyl ethyl ketone, dimethylimidazolidinone, cyclohexanone, dimethyl-formamide, N-methylpyrrolidone, acetonitrile and mixtures thereof.

16. (new) The process as claimed in claim 3, wherein the polar aprotic solvent is selected from the group consisting of acetone, methyl ethyl ketone, dimethylimidazolidinone, cyclohexanone, dimethyl-formamide, N-methylpyrrolidone, acetonitrile and mixtures thereof.

17. (new) The process as claimed in claim 4, wherein the polar aprotic solvent is selected from the group consisting of acetone, methyl ethyl ketone, dimethylimidazolidinone, cyclohexanone, dimethyl-formamide, N-methylpyrrolidone, acetonitrile and mixtures thereof.

18. (new) The process as claimed in claim 2, wherein alcohol is methanol.

19. (new) The process as claimed in claim 3, wherein alcohol is methanol.

20. (new) The process as claimed in claim 4, wherein alcohol is methanol.